

CalSIEC AGENDA REPORT

TO: California Statewide Interoperability Executive Committee Chairs

FROM: Technical Workgroup Chair, Terry Betts

DATE: October 1, 2009

SUBJECT: Mutual Aid Frequency Request and Authorization Policy

SUMMARY:

The state's procedures for issuing use of its mutual aid frequencies to public safety agencies is time consuming and lacks coordination. Providing clear guidance on the roles and responsibilities will streamline the process for executing license agreements

BACKGROUND:

Recent initiatives at Federal and State levels have focused on the use of interoperable communications systems. The FCC has allocated interoperable communications frequencies (commonly known as mutual aid frequencies) for use within these systems. The frequency resources are limited. Thus the burden falls on each respective state to manage the mutual aid frequency spectrum from a "big picture" viewpoint. Within the State, the licenses for a portion of the mutual aid frequencies are held by the State of California. The licenses for the remainder of the mutual aid frequencies are held by local agencies. In the past, there have been times when the coordination process to obtain an authorization for mutual aid frequencies was very lengthy. Additionally, there were occasions when the coordination process overlooked agencies affected by the use of the frequencies. Moving forward, the intent of this Mutual Aid Frequency Request and Authorization Policy is to put in place procedures that will provide for a timely coordination, review, approval, and authorization of mutual aid frequencies.

RECOMMENDATION:

1. Adopt the Policies and Procedures outlined in this report
2. All State Mutual Aid Plans should be revised to include the procedures in this report
3. All new licenses shall be held by the State of California and managed by OCIO-PSCD. Requests by individual agencies to hold licenses for mutual aid frequencies should be discouraged
4. Licenses currently held by agencies other than the State, will continue to serve as the licensee

5. Any and all new Interoperability channels that become available will be held by the State
6. Formal requests for use of state held mutual aid frequencies shall be sent to the California Interoperability Coordinators Office (CICO). The CICO will log and post all formal requests to the CICO website
7. Utilize state liaison organizations NAPCO (Northern California Chapter Association of Public Safety Communication Officials) and CPRA (California Public-Safety Radio Association) to assist with the technical compliance of applications
8. Endorsement from the CalSIEC Planning Area Chairs required for non-routine requests
9. Ensure monthly CalSIEC Planning Area and Working Groups meetings include "license endorsement" on agendas
10. These procedures will be applicable for routine request licenses.
11. All applications packages will be kept on record with the CICO and available on a secure portal for reference. PSCD will be responsible for maintaining the FCC 601 applications

POLICY:

The following provisions apply:

- The State of California will serve as the licensee for mutual aid frequencies used within California.
- Agencies (local, state, federal) who wish to construct communications systems that use mutual aid frequencies will use the procedures in this policy to obtain an authorization for the frequencies.
- The agency that initiates the request for an authorization will be responsible for coordinating the use of the frequencies with all affected jurisdictions. Standard frequency coordination practices for co-channel and adjacent channel users will be used.
- Time Standards: Routine requests-30 days; non-routine requests-addressed in 90 days.

PROCEDURES:

A "letter of intent" on the applicant's agency letterhead will be sent to the California Interoperability Coordinators Office (CICO). At a minimum, the letter should contain information on the requested channels, proposed site(s) and/or area of operations. If the system is to serve more than a single political entity¹, the applicant must provide additional details, which may include a list of all individuals responsible for the project. Letters may be sent via postal mail or email.

¹ For these purposes, the State is not a single political entity.

After receipt of the letter, CICO will log and post the letter of intent on the CICO website.

(<http://www.oes.ca.gov/WebPage/oeswebsite.nsf/content/F39C796E9E9FDCF28825763B0064322A?OpenDocument>).

The letter will be forwarded to the appropriate California Emergency Management Agency (CalEMA) branch for review (*e.g. Law, Fire, Telecommunication*)² The applicant shall notify all impacted cities, counties, and/or Regional Mutual Aid³ or Inter-operational Committees within the proposed area of coverage. If the coverage area exceeds the boundaries of the political jurisdiction of the applicant's agency, a concurrence letter from those impacted must be obtained. In addition, a technical field strength coverage contour plot should be developed. Once all necessary information is collected, the application along with the supporting documents should be reviewed by an APCO⁴ chapter for technical compliance. Once the APCO chapter provides compliance, the applicant must get a formal endorsement from their CalSIEC Planning Area Chair⁵ representative. It will be the responsibility of the applicant to coordinate with the appropriate stakeholders in this process to ensure the application is approved. The CalEMA Telecommunication Branch will assist as needed. Refer to the CICO website or the appendix of this plan for helpful information.

Once the applicant receives a formal endorsement letter from their CalSIEC Planning Area Chair, all supporting documents shall be forwarded to the CICO. The application package will be reviewed by the three standing CalSIEC committees-Technical, Operational, and Policy for final endorsement by CalSIEC.

- Review of Non-Routine⁶ applications by all CalSIEC sub-committees shall take no longer than 90 days. The review process may include conference-calls or webinars to minimize travel costs. The applicant will be provided an opportunity to present their request and address concerns.
- Routine applications will be publicly announced to all CalSIEC sub-committees for review. The applications will be available for review on the CICO website for 10 business days. If no objections are declared, the application will receive a CalSIEC endorsement. Routine

² Mutual aid frequencies specific to Law Enforcement or Fire & Rescue require branch approval

³ The mutual aid regional boundaries are depicted in *figure 1* of the appendix. Each area is based on the geographic areas mutually affected by radio signal coverage and/or areas that routinely assist each other due to long standing agreements.

⁴ Association of Public-Safety Communications Officials California Chapters include NAPCO and CPRA

⁵ There are 4 CalSIEC Planning Areas. Details of each Planning Area in *table 2* of the appendix

⁶ Criteria of Non-Routine and Routine applications depicted in *table 1* of the appendix

applications are expected to receive endorsements within 30 days or less once received by the CICO. If objections arise, the applicant will be notified by the CICO. The application will then follow the procedures for Non-Routine applications.

- Under unique circumstances, these guidelines may vary as required by the CICO.

Copies of the CalSIEC endorsement letter will be forwarded to the applicant, CICO, and Office Chief Information Officer-Public Safety Communication Division (OCIO-PSCD)⁷ for administrative processing. PSCD will notify the applicant of the necessary fees for their service. This will typically be a minimum of two hours at their posted hourly rate. This fee will cover the maximum of five frequencies at four sites and may be adjusted for more complex systems. There will be an additional fee charged by the Frequency Coordinator for their processing of the application and submission to the Federal Communications Commission. OCIO-PSCD will advise the applicant of these fees and arrange for payment.

FISCAL IMPACT:

The recommendations above involve process improvements for which the savings are expected, but difficult to quantify. These process improvements will result in saved man hours within CalEMA. However, more hours may need to be expended by the applicant in the coordination process. Furthermore, CalSIEC Planning Areas and other liaison groups may expend more man-hours, but this time will diminish as the actual implementation of this process matures.

⁷ OCIO-PSCD was previously the Department of Government Services Telecommunications Division

APPENDIX

Glossary of Terms and Acronyms

Application: In addition to the FCC Form 601, this term refers to the project supporting documents, which may include endorsement letters, field strength coverage plots, concurrence letters, executive summary, etc.

CICO: California Interoperability Coordinator's Office. The office is managed by the Statewide Interoperability Coordinator (SWIC). These terms are normally synonymous with each other.

<http://www.oes.ca.gov/WebPage/oeswebsite.nsf/Content/F39C796E9E9FDCF28825763B0064322A?OpenDocument>

CPRA: California Public-Safety Radio Association. Frequency advisors for APCO International, Inc. chapter in Southern California.

<http://www.cpra.org/>

NAPCO: Northern California Association of Public-Safety Communications Officials. Frequency advisors for APCO International, Inc.

<http://www.napco.org/index.htm>

License Request Classification Guidelines

Table 1

| Routine | Non-Routine |
|--|--|
| Mobile Use Only | Use of high-level Base Station that radiate past the intended political jurisdiction |
| Low-Level Base station where coverage is confined to their political jurisdiction | Projects that are regional in concept |
| License updates or equipment upgrades | Operational use of systems outside of its original intended use |
| <i>Interpretation of the criteria above could be subjective. The CICO with assistance from CalEMA Telecommunications Branch will make the final determination.</i> | |

Figure 1

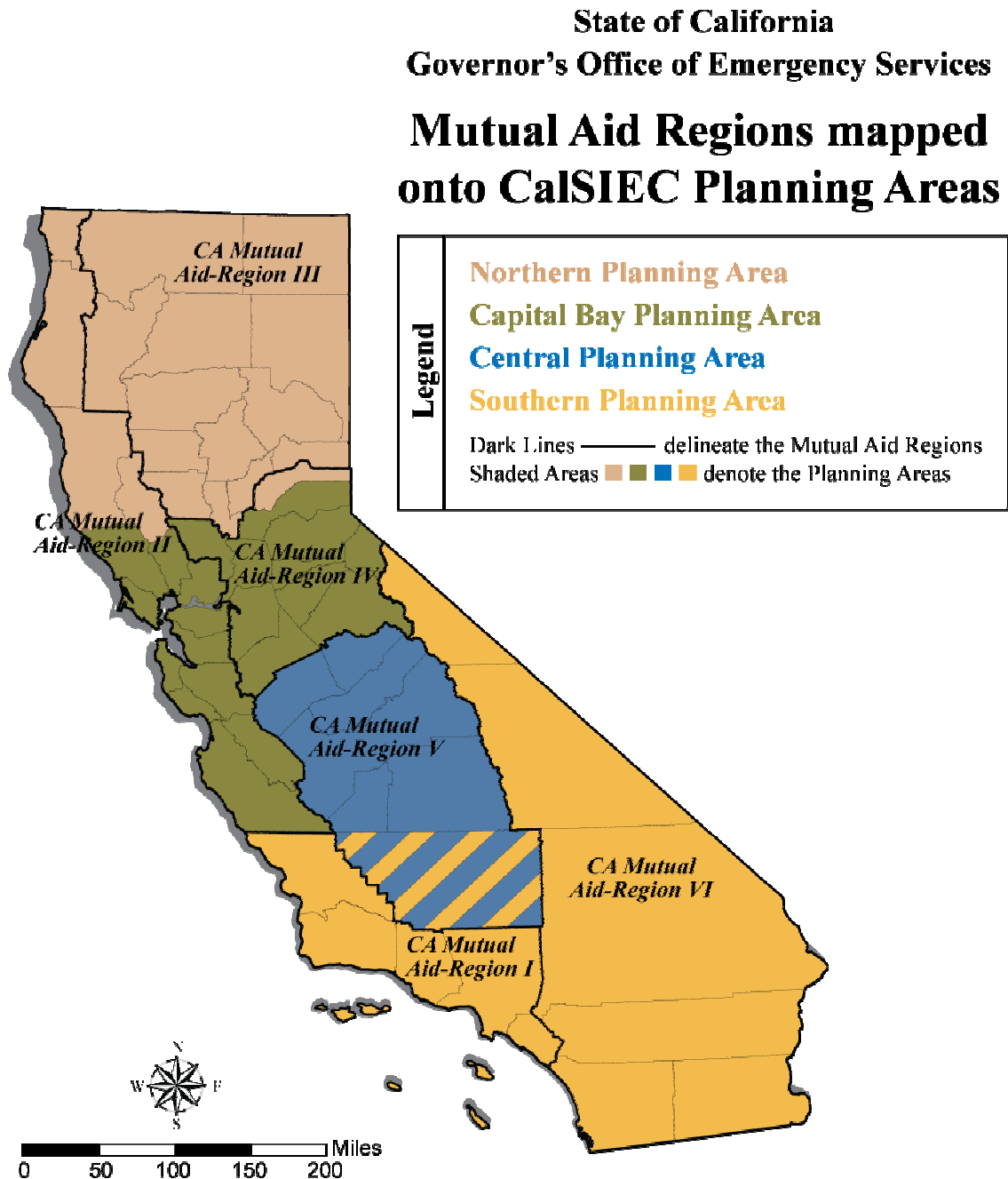


Table 2

| CalSIEC Planning Areas | | | |
|--|--|--|---|
| <u>Northern</u> | <u>Capital-Bay Area</u> | <u>Central</u> | <u>Southern</u> |
| <ul style="list-style-type: none"> • Butte • Colusa • Del Norte • Glenn • Humboldt • Lake • Lassen • Mendocino • Modoc • Nevada • Plumas • Shasta • Sierra • Siskiyou • Sutter • Tehama • Trinity • Yuba | <ul style="list-style-type: none"> • Amador • Alameda • Alpine • Calaveras • Contra Costa • El Dorado • Marin • Monterey • Napa • Placer • Plumas • Sacramento • San Benito • San Francisco • San Joaquin • San Mateo • Santa Clara • Santa Cruz • Solano • Sonoma • Stanislaus • Tuolumne • Yolo | <ul style="list-style-type: none"> • Fresno • Kern* • Kings • Madera • Mariposa • Merced • Tulare | <ul style="list-style-type: none"> • Kern* • Imperial • Inyo • Los Angeles • Mono • Orange • Riverside • San Bernardino • San Diego • San Luis Obispo • Santa Barbara • Ventura |
| | | <div> <p>* Because it encompasses both sides of the mountain range that separates the Central Valley and Southern California, Kern participates in both Central and Southern Planning Areas</p> </div> | |

Table 3**CalSIEC Interoperability Frequencies**

| Legacy CALEMA / FCC CHANNEL LABEL | DESCRIPTION | Mobile Receive FREQUENCY (MHz) | Mobile Transmit FREQUENCY (MHz) | ELIGIBILITY | USAGE | FCC LICENSEE |
|-----------------------------------|--|--------------------------------|---------------------------------|--|---|---------------------|
| CALCORD | California On-Scene Emergency Coordination Channel | 156.0750 | Simplex | Any CA Local Govt. | Mobile only | State of California |
| CESRS | California Emergency Services Radio System | 153.7550 | 154.9800 | OES, Op Area Emer. Mgmt., other authorized users | Repeater | State of California |
| CESRS D | | 153.7550 | Simplex | | Base/Mobile | |
| CLEMARS 1 | California Law Enforcement Mutual Aid Radio System | 154.9200 | Simplex | Law Enforcement | Base/Mobile | State of California |
| CLEMARS 2 | | 154.9350 | Simplex | | Mobile only-Low Power | |
| CLEMARS 4 | | 460.0250 | Simplex | | Base/Mobile | |
| CLEMARS 5 | | 460.0250 | 465.0250 | | Repeater | |
| CLEMARS 6 | | 39.4600 | Simplex | | Base/Mobile | |
| CLEMARS 7 | | 39.4600 | 45.8600 | | Repeater | |
| CLEMARS 8 | | 868.5125 | Simplex | | Base/Mobile | |
| CLEMARS 9 | | 868.5125 | 823.5125 | | Repeater | |
| CLEMARS 20 | | 866.2000 | Simplex | | NorCal/Base & Mobile | |
| CLEMARS 21 | | 866.2000 | 821.2000 | | NorCal/Repeater | |
| CLEMARS 22 | | 484.2375 | Simplex | | Within 50Mi of LA City Hall - Base & Mobile | |
| CLERS 1 | California Law Enforcement Radio System | 158.7900 | 155.4300 | Law Enforcement | Point-to-point | State of California |
| CLERS 2 | | 155.0700 | 159.0300 | | | |
| CLERS 3 | | 154.7100 | 155.6700 | | | |
| CLERS 4 | | 155.9100 | 158.7300 | | | |
| CLERS 5 | | 155.7000 | 154.8150 | | | |
| CLERS 6 | | 453.6750 | 458.6750 | | | |
| CLERS 7 | | 453.8750 | 458.8750 | | | |
| CLERS 8 | | 453.8250 | 458.8250 | | | |
| FIREMARS | Fire Emergency Mutual Aid Radio System | 868.9875 | 823.9875 | Fire & Rescue & EMS | Repeater | State of California |
| FIREMARS D | | 868.9875 | Simplex | | Base/Mobile | |
| FIREMARS 2 | | 866.9125 | 821.9125 | | NorCal/Repeater | |

| Legacy CALEMA / FCC CHANNEL LABEL | DESCRIPTION | Mobile Receive FREQUENCY (MHz) | Mobile Transmit FREQUENCY (MHz) | ELIGIBILITY | USAGE | FCC LICENSEE |
|-----------------------------------|---|--------------------------------|---------------------------------|--|----------------------|---|
| FIREMARS 2D | | 866.9125 | Simplex | | NorCal/Base & Mobile | |
| HEAR | Hospital Emergency Administrative Radio System | 155.3400 | Simplex | EMS | Base/Mobile | Local Govt. Agency |
| ICALL | NPSPAC International Interoperability Channels | 866.0125 | 821.0125 | Any Public Safety | Repeater | Mobiles - none Base/Repeaters - State of California |
| ICALL D | | 866.0125 | Simplex | | Base/Mobile | |
| ITAC 1 | | 866.5125 | 821.5125 | | Repeater | |
| ITAC 1D | | 866.5125 | Simplex | | Base/Mobile | |
| ITAC 2 | | 867.0125 | 822.0125 | | Repeater | |
| ITAC 2D | | 867.0125 | Simplex | | Base/Mobile | |
| ITAC 3 | | 867.5125 | 822.5125 | | Repeater | |
| ITAC 3D | | 867.5125 | Simplex | | Base/Mobile | |
| ITAC 4 | | 868.0125 | 823.0125 | | Repeater | |
| ITAC 4D | | 868.0125 | Simplex | | Base/Mobile | |
| LA SCMA | Los Angeles Small City Mutual Aid | 484.2125 | 487.2125 | LA Law Enforcement | Repeater | Local Govt. Agency |
| | Los Angeles Small City Mutual Aid | 487.2125 | Simplex | LA Law Enforcement | Base/Mobile | Local Govt. Agency |
| LA FDUMA | Los Angeles Fire Department Mutual Aid | 487.2375 | Simplex | LA Fire & Rescue | Mobile only | Local Govt. Agency |
| NALEMARS | National Law Enforcement Mutual Aid Radio System | 155.4750 | Simplex | Law Enforcement | Base/Mobile | State of California |
| OES FIRE 1 | Office of Emergency Services Fire & Rescue Radio System | 154.1600 | Simplex | Fire & Rescue Operational Area & Regional Coordinators | Mobile only | State of California |
| OES FIRE 1A | | 154.1600 | 159.1350 | | Repeater | |
| OES FIRE 1B | | 154.1600 | 159.1950 | | Repeater | |
| OES FIRE 2 | | 154.2200 | Simplex | | Mobile only | |
| OES FIRE 2A | | 154.2200 | 159.1350 | | Repeater | |
| OES FIRE 2B | | 154.2200 | 159.1950 | | Repeater | |
| UCALL | UHF Interoperability Channels | 453.2125 | 458.2125 | Any Public Safety | Repeater | Mobiles - none Base/Repeaters - State of California |
| UCALLa | | 453.2125 | Simplex | | Base/Mobile | |
| UTAC1 | | 453.4625 | 458.4625 | | Repeater | |
| UTAC1a | | 453.4625 | Simplex | | Base/Mobile | |

| Legacy CALEMA / FCC CHANNEL LABEL | DESCRIPTION | Mobile Receive FREQUENCY (MHz) | Mobile Transmit FREQUENCY (MHz) | ELIGIBILITY | USAGE | FCC LICENSEE |
|-----------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------|-------------|--|
| UTAC2 | | 453.7125 | 458.7125 | | Repeater | |
| UTAC2a | | 453.7125 | Simplex | | Base/Mobile | |
| UTAC3 | | 453.8625 | 458.8625 | | Repeater | |
| UTAC3a | | 453.8625 | Simplex | | Base/Mobile | |
| VCALL | VHF Interoperability Channels | 155.7525 | Simplex | Any Public Safety | Base/Mobile | Mobiles - none Base/Repeaters - State of California |
| VTAC 1 | | 151.1375 | Simplex | | | |
| VTAC 2 | | 154.4525 | Simplex | | | |
| VTAC 3 | | 158.7375 | Simplex | | | |
| VTAC 4 | | 159.4725 | Simplex | | | |
| WHITE 1 | Fire White | 154.2800 | Simplex | Fire | Base/Mobile | Local Govt. Agency |
| WHITE 2 | | 154.2650 | Simplex | | Mobile only | |
| WHITE 3 | | 154.2950 | Simplex | | | |

Table 4

NCC/NPSTC Standard Channel Nomenclature for the Public Safety Interoperability Channels Sorted by Band in Frequency or Channel Order

| FREQ / FCC CHANNEL (SUBSCRIBER LOAD) | | BASE,MOBILE, OR FIXED (CONTROL) | ELIGIBILITY / PRIMARY USE | COMMON NAME | LIMITATIONS (47 CFR Part 90) |
|---|----------|---------------------------------------|--|----------------|---------------------------------|
| RECEIVE | TRANSMIT | | | | |
| MHz | MHz | FCC 30 MHz Public Safety Band | | | |
| 39.4600 | SIMPLEX | Base-Mobile | Law Enforcement | LLAW1 | 90.20(c)(3) [15] |
| 39.4800 | SIMPLEX | Base-Mobile | Fire Proposed | LFIRE2 | Prop. 90.20(c)(3) [19] |
| 45.8600 | SIMPLEX | Base-Mobile | Law Enforcement | LLAW3 | 90.20(c)(3) [15] |
| 45.8800 | SIMPLEX | Base-Mobile | Fire | LFIRE4 | 90.20(c)(3) [19] |
| MHz | MHz | FCC 150 - 162 MHz Public Safety Band | | | |
| 155.7525 | SIMPLEX | Base-Mobile | Any Public Safety Eligible | VCALL10 | 90.20(c)(3) [80,83] |
| 151.1375 | SIMPLEX | Base-Mobile | Any Public Safety Eligible | VTAC11 | 90.20(c)(3) [80] |
| 154.4525 | SIMPLEX | Base-Mobile | Any Public Safety Eligible | VTAC12 | 90.20(c)(3) [80] |
| 158.7375 | SIMPLEX | Base-Mobile | Any Public Safety Eligible | VTAC13 | 90.20(c)(3) [80] |
| 159.4725 | SIMPLEX | Base-Mobile | Any Public Safety Eligible | VTAC14 | 90.20(c)(3) [80] |
| 161.8500 | 157.2500 | Fixed-Mobile | Allocated for Public Safety Use in 33 Inland VPCAs/EAs | VTAC17 | 90.20(g) |
| | SIMPLEX | Base-Mobile | | VTAC17D | |
| 161.8250 | 157.2250 | Fixed-Mobile | Allocated for Public Safety Use in 33 Inland VPCAs/EAs | VTAC18 | 90.20(g) |
| | SIMPLEX | Base-Mobile | | VTAC18D | |
| 161.8750 | 157.2750 | Fixed-Mobile | Allocated for Public Safety Use in 33 Inland VPCAs/EAs | VTAC19 | 90.20(g) |
| | SIMPLEX | Base-Mobile | | VTAC19D | |
| 154.2800 | SIMPLEX | Base-Mobile | Fire | VFIRE21 | 90.20(c)(3) [19] |
| 154.2650 | SIMPLEX | Base-Mobile | Fire | VFIRE22 | 90.20(c)(3) [19] |
| 154.2950 | SIMPLEX | Base-Mobile | Fire | VFIRE23 | 90.20(c)(3) [19] |
| 154.2725 | SIMPLEX | Base-Mobile | Fire | VFIRE24 | 90.20(c)(3) [19] |
| 154.2875 | SIMPLEX | Base-Mobile | Fire | VFIRE25 | 90.20(c)(3) [19] |
| 154.3025 | SIMPLEX | Base-Mobile | Fire | VFIRE26 | 90.20(c)(3) [19] |
| 155.3400 | SIMPLEX | Base-Mobile | EMS | VMED28 | 90.20(c)(3) [40] |
| 155.3475 | SIMPLEX | Base-Mobile | EMS | VMED29 | 90.20(c)(3) [40] |
| 155.4750 | SIMPLEX | Base-Mobile | Law Enforcement | VLAW31 | 90.20(c)(3) [41] |
| 155.4825 | SIMPLEX | Base-Mobile | Law Enforcement | VLAW32 | 90.20(c)(3) [41] |
| MHz | MHz | NTIA VHF Law Enforcement Channels | | | |
| Use of the NTIA Interoperability Channels by FCC licensees is subject to the conditions specified in FCC Public Notice DA 01-1621. There are discrepancies between DA 01-1621 and the current NTIA "Red Book." NPSTC is working with our Federal partners to clarify the discrepancies and develop a revised name plan for the NTIA channels. | | | | | |
| MHz | MHz | NTIA VHF Incident Response Channels | | | |
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| MHz | MHz | NTIA UHF Law Enforcement Channels | | | |
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| MHz | MHz | NTIA UHF Incident Response Channels | | | |
| Use of the NTIA Interoperability Channels by FCC licensees is subject to the conditions specified in FCC Public Notice DA 01-1621. There are discrepancies between DA 01-1621 and the current NTIA "Red Book." NPSTC is working with our Federal partners to clarify the discrepancies and develop a revised name plan for the NTIA channels. | | | | | |
| MHz | MHz | FCC 450 - 470 MHz Public Safety Band | | | |
| 453.2125 | 458.2125 | Fixed-Mobile | Any Public Safety Eligible | UCALL40 | 90.20(c)(3) [80,83] |
| | SIMPLEX | Base-Mobile | | UCALL40D | |
| 453.4625 | 458.4625 | Fixed-Mobile | Any Public Safety Eligible | UTAC41 | 90.20(c)(3) [80] |
| | SIMPLEX | Base-Mobile | | UTAC41D | |
| 453.7125 | 458.7125 | Fixed-Mobile | Any Public Safety Eligible | UTAC42 | 90.20(c)(3) [80] |

| FREQ / FCC CHANNEL (SUBSCRIBER LOAD) | | BASE,MOBILE, OR FIXED (CONTROL) | ELIGIBILITY / PRIMARY USE | COMMON NAME | LIMITATIONS (47 CFR Part 90) |
|---|-----------|--|---|----------------|---------------------------------|
| RECEIVE | TRANSMIT | | | | |
| | SIMPLEX | Base-Mobile | | UTAC42D | |
| 453.8625 | 458.8625 | Fixed-Mobile | Any Public Safety Eligible | UTAC43 | 90.20(c)(3) [80] |
| | SIMPLEX | Base-Mobile | | UTAC43D | |
| CHANNEL | CHANNEL | FCC 700 MHz Public Safety Band (TV 63 + 68) | | | |
| 39-40 | 999-1000 | Fixed-Mobile | Calling Channel | 7CALL50 | 90.531(a)(1)(ii) |
| | SIMPLEX | Base-Mobile | | 7CALL50D | |
| 23-24 | 983-984 | Fixed-Mobile | General Public Safety Service (secondary trunked) | 7TAC51 | 90.531(a)(1)(iii) |
| | SIMPLEX | Base-Mobile | | 7TAC51D | |
| 103-104 | 1063-1064 | Fixed-Mobile | General Public Safety Service (secondary trunked) | 7TAC52 | 90.531(a)(1)(iii) |
| | SIMPLEX | Base-Mobile | | 7TAC52D | |
| 183-184 | 1143-1144 | Fixed-Mobile | General Public Safety Service (secondary trunked) | 7TAC53 | 90.531(a)(1)(iii) |
| | SIMPLEX | Base-Mobile | | 7TAC53D | |
| 263-264 | 1223-1224 | Fixed-Mobile | General Public Safety Service (secondary trunked) | 7TAC54 | 90.531(a)(1)(iii) |
| | SIMPLEX | Base-Mobile | | 7TAC54D | |
| CHANNEL | CHANNEL | FCC 700 MHz Public Safety Band (TV 63 + 68) (Cont'd) | | | |
| 119-120 | 1079-1080 | Fixed-Mobile | General Public Safety Service | 7TAC55 | |
| | SIMPLEX | Base-Mobile | | 7TAC55D | |
| 199-200 | 1159-1160 | Fixed-Mobile | General Public Safety Service | 7TAC56 | |
| | SIMPLEX | Base-Mobile | | 7TAC56D | |
| 319-320 | 1279-1280 | Fixed-Mobile | Other Public Service | 7GTAC57 | |
| | SIMPLEX | Base-Mobile | | 7GTAC57D | |
| 303-304 | 1263-1264 | Fixed-Mobile | Mobile Repeater (M03 Use Primary) | 7MOB59 | |
| | SIMPLEX | Base-Mobile | | 7MOB59D | |
| 223-224 | 1183-1184 | Fixed-Mobile | Law Enforcement | 7LAW61 | |
| | SIMPLEX | Base-Mobile | | 7LAW61D | |
| 239-240 | 1199-1200 | Fixed-Mobile | Law Enforcement | 7LAW62 | |
| | SIMPLEX | Base-Mobile | | 7LAW62D | |
| 143-144 | 1103-1104 | Fixed-Mobile | Fire | 7FIRE63 | |
| | SIMPLEX | Base-Mobile | | 7FIRE63D | |
| 159-160 | 1119-1120 | Fixed-Mobile | Fire | 7FIRE64 | |
| | SIMPLEX | Base-Mobile | | 7FIRE64D | |
| 63-64 | 1023-1024 | Fixed-Mobile | EMS | 7MED65 | |
| | SIMPLEX | Base-Mobile | | 7MED65D | |
| 79-80 | 1039-1040 | Fixed-Mobile | EMS | 7MED66 | |
| | SIMPLEX | Base-Mobile | | 7MED66D | |
| 279-280 | 1239-1240 | Fixed-Mobile | Mobile Data | 7DATA69 | 90.531(a)(1)(i) |
| | SIMPLEX | Base-Mobile | | 7DATA69D | |
| CHANNEL | CHANNEL | FCC 700 MHz Public Safety Band (TV 64 + 69) | | | |
| 681-682 | 1641-1642 | Fixed-Mobile | Calling Channel | 7CALL70 | 90.531(a)(1)(ii) |
| | SIMPLEX | Base-Mobile | | 7CALL70D | |
| 657-658 | 1617-1618 | Fixed-Mobile | General Public Safety Service (secondary trunked) | 7TAC71 | 90.531(a)(1)(iii) |
| | SIMPLEX | Base-Mobile | | 7TAC71D | |
| 737-738 | 1697-1698 | Fixed-Mobile | General Public Safety Service (secondary trunked) | 7TAC72 | 90.531(a)(1)(iii) |
| | SIMPLEX | Base-Mobile | | 7TAC72D | |
| 817-818 | 1777-1778 | Fixed-Mobile | General Public Safety Service (secondary trunked) | 7TAC73 | 90.531(a)(1)(iii) |
| | SIMPLEX | Base-Mobile | | 7TAC73D | |
| 897-898 | 1857-1858 | Fixed-Mobile | General Public Safety Service (secondary trunked) | 7TAC74 | 90.531(a)(1)(iii) |
| | SIMPLEX | Base-Mobile | | 7TAC74D | |
| 761-762 | 1721-1722 | Fixed-Mobile | General Public Safety Service | 7TAC75 | |
| | SIMPLEX | Base-Mobile | | 7TAC75D | |
| 841-842 | 1801-1802 | Fixed-Mobile | General Public Safety Service | 7TAC76 | |
| | SIMPLEX | Base-Mobile | | 7TAC76D | |
| 937-938 | 1897-1898 | Fixed-Mobile | Other Public Service | 7GTAC77 | |
| | SIMPLEX | Base-Mobile | | 7GTAC77D | |
| 881-882 | 1841-1842 | Fixed-Mobile | Mobile Repeater (M03 Use Primary) | 7MOB79 | |
| | SIMPLEX | Base-Mobile | | 7MOB79D | |
| 801-802 | 1761-1762 | Fixed-Mobile | Law Enforcement | 7LAW81 | |
| | SIMPLEX | Base-Mobile | | 7LAW81D | |
| 857-858 | 1817-1818 | Fixed-Mobile | Law Enforcement | 7LAW82 | |
| | SIMPLEX | Base-Mobile | | 7LAW82D | |
| 721-722 | 1681-1682 | Fixed-Mobile | Fire | 7FIRE83 | |
| | SIMPLEX | Base-Mobile | | 7FIRE83D | |

| FREQ / FCC CHANNEL (SUBSCRIBER LOAD) | | BASE,MOBILE, OR FIXED (CONTROL) | ELIGIBILITY / PRIMARY USE | COMMON NAME | LIMITATIONS (47 CFR Part 90) |
|---|-----------|--|----------------------------|----------------|---------------------------------|
| RECEIVE | TRANSMIT | | | | |
| 777-778 | 1737-1738 | Fixed-Mobile | Fire | 7FIRE84 | |
| | SIMPLEX | Base-Mobile | | 7FIRE84D | |
| 641-642 | 1601-1602 | Fixed-Mobile | EMS | 7MED86 | |
| | SIMPLEX | Base-Mobile | | 7MED86D | |
| 697-698 | 1657-1658 | Fixed-Mobile | EMS | 7MED87 | |
| | SIMPLEX | Base-Mobile | | 7MED87D | |
| 921-922 | 1881-1882 | Fixed-Mobile | Mobile Data | 7DATA89 | 90.531(a)(1)(i) |
| | SIMPLEX | Base-Mobile | | 7DATA89D | |
| MHz | MHz | FCC 800 MHz NPSPAC Band (Post-Rebanding) | | | |
| 851.0125 | 806.0125 | Fixed-Mobile | Any Public Safety Eligible | 8CALL90 | 90.16 |
| | SIMPLEX | Base-Mobile | | 8CALL90D | |
| 851.5125 | 806.5125 | Fixed-Mobile | Any Public Safety Eligible | 8TAC91 | 90.16 |
| | SIMPLEX | Base-Mobile | | 8TAC91D | |
| 852.0125 | 807.0125 | Fixed-Mobile | Any Public Safety Eligible | 8TAC92 | 90.16 |
| | SIMPLEX | Base-Mobile | | 8TAC92D | |
| 852.5125 | 807.5125 | Fixed-Mobile | Any Public Safety Eligible | 8TAC93 | 90.16 |
| | SIMPLEX | Base-Mobile | | 8TAC93D | |
| 853.0125 | 808.0125 | Fixed-Mobile | Any Public Safety Eligible | 8TAC94 | 90.16 |
| | SIMPLEX | Base-Mobile | | 8TAC94D | |